

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the applications:

1-91. (Cancelled)

92. (New) An isolated nucleic acid comprising a sequence of nucleotides encoding or complementary to a sequence encoding a flavonoid methyltransferase (FMT) which FMT methylates anthocyanins, said sequence of nucleotides comprising a nucleotide sequence selected from the listing consisting of:

- (i) the nucleotide sequence set forth in SEQ ID NO:11;
- (ii) a nucleotide sequence having at least about 70% identity after optimal alignment to SEQ ID NO:11;
- (iii) a nucleotide sequence capable of hybridizing under medium stringency conditions to SEQ ID NO:11 or its complementary form;
- (iv) a nucleotide sequence encoding the amino acid sequence set forth in SEQ ID NO:12;
- (v) a nucleotide sequence encoding an amino acid sequence having at least about 80% similarity after optimal alignment to SEQ ID NO:12; and
- (vi) a nucleotide sequence capable of hybridizing under medium stringency conditions to the nucleotide sequence in (iv) or (v) or its complementary form.

93. (New) The isolated nucleic acid of claim 92, wherein said sequence of nucleotides comprises a nucleotide sequence having at least about 95% identity after optimal alignment to SEQ ID NO:11.

94. (New) The isolated nucleic acid of claim 92, wherein said sequence of nucleotides comprises a nucleotide sequence encoding an amino acid sequence having at least about 95% identity after optimal alignment to SEQ ID NO:12.

95. (New) The isolated nucleic acid molecule of claim 92 wherein the FMT is a Class I

S-adenosyl-L-methionine *O*-methyltransferase (SAM-OMTs).

96. (New) The isolated nucleic acid molecule of claim 92 wherein the FMT is 3'FMT or 3'5'FMT.

97. (New) The isolated nucleic acid molecule of claim 92 wherein the anthocyanin molecule is a derivate of delphinidin.

98. (New) The isolated nucleic acid molecule of claim 92 wherein the anthocyanin molecule is a derivative of petunidin or cyanidin.

99. (New) The isolated nucleic acid molecule of claim 92 wherein the anthocyanin molecule is delphinidin 3-glucoside, delphinidin 3,5-diglucoside or delphinidin 3-rutinoside.

100. (New) A genetic construct comprising a nucleic acid molecule encoding or complementary to a sequence encoding a flavonoid methyltransferase (FMT) which methylates anthocyanins, the genetic construct comprising the nucleotide sequence selected from the list consisting of:

- (i) the nucleotide sequence set forth in SEQ ID NO:11;
- (ii) a nucleotide sequence having at least about 70% identity after optimal alignment to SEQ ID NO:11;
- (iii) a nucleotide sequence capable of hybridizing under medium stringency conditions to SEQ ID NO:11 or its complementary form;
- (iv) a nucleotide sequence encoding the amino acid sequence set forth in SEQ ID NO:12;
- (v) a nucleotide sequence encoding an amino acid sequence having at least about 80% similarity after optimal alignment to SEQ ID NO:12; and
- (vi) a nucleotide sequence capable of hybridizing under medium stringency conditions to the nucleotide sequence in (iv) or (v) or its complementary form.

101. (New) The genetic construct of claim 100, wherein said sequence of nucleotides comprises a nucleotide sequence having at least about 95% identity after optimal alignment to SEQ ID NO:11.

102. (New) The genetic construct of claim 100, wherein said sequence of nucleotides comprises a nucleotide sequence encoding an amino acid sequence having at least about 95% identity after optimal alignment to SEQ ID NO:12.

103. (New) A genetically modified plant or part thereof or cells therefrom comprising an isolated genetic material encoding or complementary to a sequence encoding a flavonoid methyltransferase (FMT) which methylates anthocyanins, the isolated genetic mutant comprising a nucleotide sequence selected from the list consisting of:

- (i) the nucleotide sequence set forth in SEQ ID NO:11;
- (ii) a nucleotide sequence having at least about 70% identity after optimal alignment to SEQ ID NO:11;
- (iii) a nucleotide sequence capable of hybridizing under medium stringency conditions to SEQ ID NO:11 or its complementary form;
- (iv) a nucleotide sequence capable of encoding the amino acid sequence set forth in SEQ ID NO:12;
- (v) a nucleotide sequence capable of encoding an amino acid sequence having at least about 80% similarity after optimal alignment to SEQ ID NO:12; and
- (vi) a nucleotide sequence capable of hybridizing under medium stringency conditions to the nucleotide sequence in (iv) or (v) or its complementary form.

104. (New) The genetically modified plant or part thereof or cells of claim 103, wherein said sequence of nucleotides comprises a nucleotide sequence having at least about 95% identity after optimal alignment to SEQ ID NO:11.

105. (New) The genetically modified plant or part thereof or cells of claim 103, wherein said

sequence of nucleotides comprises a nucleotide sequence encoding an amino acid sequence having at least about 95% identity after optimal alignment to SEQ ID NO:12.

106. (New) The genetically modified plant or part thereof or cells therefrom of claim 103 wherein said plant or part thereof or cells therefrom is from a cut-flower species.

107. (New) The genetically modified plant or part thereof or cells therefrom of claim 103 wherein said plant or part thereof or cells therefrom is a horticultural plant species.

108. (New) The genetically modified plant or part thereof or cells therefrom of claim 103 wherein said plant or part thereof or cells therefrom is an agricultural plant species.

109. (New) The genetically modified plant or part thereof or cells thereof of any one of claims 106-108 wherein the plant exhibits altered flowers or inflorescence.

110. (New) The genetically modified plant or part thereof or cells therefrom of any one of claims 106-108 wherein said altered part is a sepal, bract, petiole, peduncle, ovary or anther stem.

111. (New) The genetically modified plant or part thereof or cells therefrom of any one of claims 106-108 wherein said altered part is a leaf, root, flower, seed, fruit, nut, berry or vegetable.

112. (New) Flowers cut or severed from the plant of claim 106 or 107.

113. (New) Progeny, offspring of progeny or vegetative propagated lines of the genetically modified plant of any one of claims 106 wherein the progeny or offspring of said progeny comprise the isolated genetic material.

114. (New) An extract from a plant or plant part of claim 106 or 107.

115. (New) The extract of claim 114 wherein the extract is a flavoring or food additive or health product or beverage or juice or coloring.